



RESEARCH, DEVELOPMENT and TECHNOLOGY TRANSFER QUARTERLY PROGRESS REPORT (QPR)

Wisconsin Department of Transportation (WisDOT)
DT1241 5/2014

INSTRUCTIONS:

Research principal investigators and/or project managers should complete a quarterly progress report (QPR) for each calendar quarter during which the projects are active.

WisDOT Research Program Category <input type="checkbox"/> Policy Research <input checked="" type="checkbox"/> Wisconsin Highway Research Program <input type="checkbox"/> Other: _____		Report Period (enter year and check which quarter) Year: <u>2014</u> <input type="checkbox"/> Quarter 1 (Jan 1 – Mar 31) <input type="checkbox"/> Quarter 3 (Jul 1 – Sep 30) <input checked="" type="checkbox"/> Quarter 2 (Apr 1 – Jun 30) <input type="checkbox"/> Quarter 4 (Oct 1 – Dec 31)	
Project Title <u>Static Pile Load Tests on Driven Piles into Intermediate-Geo Materials</u>		WisDOT Project ID <u>0092-12-08</u>	
Principal Investigator Name <u>James Long</u>	Project Oversight Committee Chair Name <u>Jeff Horsfall</u>		Project Start Date (m/d/yyyy) <u>1/16/2012</u>
(Area Code) Telephone Number <u>217-333-2543</u>	(Area Code) Telephone Number <u>608-243-5993</u>		Original End Date (m/d/yyyy) <u>7/17/2013</u>
Email Address <u>jhlong@illinois.edu</u>	Email Address <u>Jeffrey.Horsfall@dot.wi.gov</u>		Current End Date (m/d/yyyy) <u>4/30/2015</u>

Project Schedule Status (check one)

☐ On Schedule ☒ On Revised Schedule ☐ Ahead of Schedule ☐ Behind Schedule

Project Budget Status

Total Project Budget	Expenditures Current Quarter	Total Expenditures	% Funds Expended	% Work Completed
\$95,000.00	\$50.00	\$52,891.03	60%	73%

Project Description

The objective of the research is to develop and perform three static pile load test sites and evaluate the results for piles driven into intermediate Geomaterials. Three different locations will be identified around the state. The H-piles shall be driven into IGM under current WisDOT design and construction standards. The static pile load tests, with PDA/CAPWAP analysis will help the department better understand the conditions of driving H-piles in IGM.

Progress This Quarter (includes meetings, work plan status, contract status, significant progress, etc.)

We are continuing to review the analysis results for the 1st and 2nd set of static and dynamic load tests and are putting together a package of results that will be reviewed by an independent expert in pile dynamic testing. We are currently reviewing other work on piles in intermediate geomaterials.

Anticipated Work Next Quarter

Further field work will be conducted as load test projects are identified by WisDOT become available. We will continue to work toward the interpretation of the results we currently have, as well as reviewing other work on piles that have been driven into IGMs.

Circumstances Affecting Project or Budget

This quarter, we requested (and were granted) another no-cost extension to accommodate the inclusion of the 3rd set of static and dynamic load tests. The new completion date is April 30, 2015. It is intended that this extension will allow for scheduling and conducting the load tests this fall/winter. However, the final schedule for the anticipated load tests is dependent on the Wisconsin DOT construction schedule. Two locations have already been tested, and one location for load testing remains.

Attach / Insert Gantt Chart and Other Project Documentation

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(*enter text)

<i>For WisDOT Use Only</i>	
Staff Receiving QPR J. Walejko	Date Received (m/d/yyyy) 6/27/2014
Staff Approving QPR	Date Approved (m/d/yyyy)